

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010773

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61L27/34 A61L28/00 A61L29/08 A61L31/10 A61L33/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 721 776 A (RESEARCH DEVELOPMENT CORPORATION OF JAPAN) 17 July 1996 (1996-07-17) claims; examples	1,4-11, 16, 18-24, 26-34
X	US 5 656 611 A (KABANOV ET AL) 12 August 1997 (1997-08-12) column 11; claim 1; examples	1,4-11, 16, 18-24, 26-34
X	WO 02/096477 A (NOVARTIS ERFIND VERWALT GMBH ; NOVARTIS AG (CH); CARNEY FIONA PATRICIA) 5 December 2002 (2002-12-05) page 6, paragraph 6 - page 7, paragraph 3; claim 9; examples 2,3 -/-	1,4-11, 13,16, 18-34

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the International search

14 February 2005

Date of mailing of the International search report

22/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Winger, R

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010773

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KOVACEVIC D ET AL: "Specific ionic effects on weak polyelectrolyte multilayer formation" J PHYS CHEM B; JOURNAL OF PHYSICAL CHEMISTRY B AUG 14 2003, vol. 107, no. 32, 14 August 2003 (2003-08-14), pages 7998-8002, XP0009026233	23-34
Y	page 7999 - page 8000; figures	1-34
X	COHEN STUART MARTIEN A ET AL: "Kinetics of formation and dissolution of weak polyelectrolyte multilayers: Role of salt and free polyions" LANGMUIR; LANGMUIR JUL 9 2002, vol. 18, no. 14, 9 July 2002 (2002-07-09), pages 5607-5612, XP002270851	23-34
Y	page 5610, paragraph 4; figure 1	1-34
Y	US 2002/006493 A1 (CHABRECEK PETER ET AL) 17 January 2002 (2002-01-17) claims 1-6	1-34
Y	US 6 444 318 B1 (GUIRE PATRICK E ET AL) 3 September 2002 (2002-09-03) column 20, line 41 - column 21, line 50	1-34
A	WO 01/32230 A (EMOTO KAZUNORI ; NAGASAKI YUKIO (JP); IIJIMA MICHIIHIRO (JP); KATAOKA K) 10 May 2001 (2001-05-10) cited in the application the whole document	
A	EMOTO KAZUNORI ET AL: "Core-shell structured hydrogel thin layer on surfaces by lamination of a poly(ethylene glycol)-b-poly(D,L-lactide) micelle and polyallylamine" LANGMUIR; LANGMUIR JUN 2000 ACS, WASHINGTON, DC, USA, vol. 16, no. 13, June 2000 (2000-06), pages 5738-5742, XP0002172103 the whole document	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010773

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0721776	A	17-07-1996	JP 2690276 B2	10-12-1997
			JP 8188541 A	23-07-1996
			AU 4090096 A	18-07-1996
			CA 2166931 A1	11-07-1996
			DE 69621166 D1	20-06-2002
			DE 69621166 T2	14-11-2002
			EP 0721776 A1	17-07-1996
			ES 2174024 T3	01-11-2002
			US 2002082198 A1	27-06-2002
			US 2001000510 A1	26-04-2001
US 5656611	A	12-08-1997	AU 716453 B2	24-02-2000
			AU 4196596 A	17-06-1996
			BR 9509730 A	30-09-1997
			CA 2205486 A1	30-05-1996
			CN 1173128 A	11-02-1998
			EP 0789564 A1	20-08-1997
			JP 10509048 T	08-09-1998
			NZ 297164 A	28-01-2000
			RU 2175337 C2	27-10-2001
			WO 9615778 A1	30-05-1996
			US 6221959 B1	24-04-2001
			US 2003198678 A1	23-10-2003
			US 6359054 B1	19-03-2002
			US 6440743 B1	27-08-2002
			US 6353055 B1	05-03-2002
WO 02096477	A	05-12-2002	WO 02096477 A2	05-12-2002
			EP 1429818 A2	23-06-2004
			JP 2004535227 T	25-11-2004
			US 2003039742 A1	27-02-2003
US 2002006493	A1	17-01-2002	AT 266873 T	15-05-2004
			AU 6748801 A	11-12-2001
			BR 0111395 A	03-06-2003
			CA 2408938 A1	06-12-2001
			CN 1432136 T	23-07-2003
			DE 60103278 D1	17-06-2004
			DE 60103278 T2	23-09-2004
			WO 0192924 A1	06-12-2001
			EP 1299753 A1	09-04-2003
			JP 2003534860 T	25-11-2003
			MX PA02011857 A	10-04-2003
			NO 20025757 A	16-01-2003
			ZA 200209630 A	20-10-2003
			AU 8982601 A	04-03-2002
			CA 2415871 A1	28-02-2002
			CZ 20030523 A3	14-05-2003
			WO 0216974 A2	28-02-2002
			EP 1315985 A2	04-06-2003
			JP 2004507580 T	11-03-2004
			NO 20030826 A	21-02-2003
			SK 2152003 A3	05-08-2003
			US 2004018295 A1	29-01-2004
			US 2003143335 A1	31-07-2003
			US 2002086160 A1	04-07-2002
US 6444318	B1	03-09-2002	US 2003077452 A1	24-04-2003

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010773

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6444318	B1	US 2004146715 A1	29-07-2004
WO 0132230	A	10-05-2001	
		JP 2001131092 A	15-05-2001
		JP 2001131271 A	15-05-2001
		WO 0132230 A2	10-05-2001
		AU 1294101 A	14-05-2001
		CA 2389917 A1	10-05-2001
		EP 1225929 A2	31-07-2002
		JP 2003527890 T	24-09-2003
		CN 1434730 T	06-08-2003